

Amendment "A"

Amendments to the Claims:

Please amend the claims, as indicated below.

Claim 1 (currently amended). A flexible flying disk, comprising:
a body having a circular perimeter formed about a central axis;
the body including a weighted annular margin at the perimeter, and wherein
the annular margin defines an axial margin dimension;
a central web spanning the perimeter at one axial end of the margin, and
wherein the central web defines an axial web thickness that is less than the axial
margin dimension;
a visually discernable graphic on the body formed by silicone ink; and
wherein the web and annular margin are integral and are formed of a
thermosetting molded and heat cured catalyzed silicone.

Claim 2 (cancelled).

Claim 3 (currently amended). The apparatus of claim 1, ~~further comprising a
visually discernable graphic on the body, pad printed and formed by~~ and wherein the
silicone ink is a heat cured silicone ink.

Claim 4 (cancelled).

Claim 5 (original). The apparatus of claim 1, wherein the molded and heat cured
catalyzed silicone includes a Shore A hardness durometer value of between
approximately 20 and 60.

Claim 6 (original). The apparatus of claim 1 wherein the molded and heat cured
catalyzed silicone includes a Shore A hardness durometer value of
approximately 40.

1 Claim 7 (currently amended). The apparatus of claim ~~[[1]]~~ 3, and further
2 comprising:

3 ~~a visually discernable graphic on the body, and formed by a heat cured~~
4 ~~silicone ink; and~~

5 wherein the molded and heat cured catalyzed silicone includes a Shore A
6 hardness durometer value of approximately 40.

7 Claims 8-10 (cancelled).

8 Claim 11 (original). A process for producing a flexible flying disk, comprising:

9 providing a first mold part with an outwardly open cavity formed therein
10 defining part of a circular flying disk configuration;

11 providing a second mold part with a mold surface thereon defining a
12 remaining part of the circular flying disk configuration;

13 placing a pre catalyzed volume of silicone within one of the mold parts;

14 pressing the mold parts together at a equal to about 4000 pounds per square
15 inch of projected surface area of the flying disk configuration;

16 heating the mold parts to a temperature of about 350 degrees Fahrenheit for a
17 time period of between about 2 and 10 minutes to cure the pre-catalyzed silicone;
18 and

19 separating the mold parts to allow removal of the cured flying disk.

20 Claim 12 (currently amended). ~~The apparatus of claim 10~~ process of claim 11,
21 and further comprising printing a graphic on the cured disk using silicone ink.

22 Claim 13 (currently amended). ~~The apparatus of claim 10~~ process of claim 11,
23 and further comprising printing a graphic on the cured disk using silicone ink; and
24 heat curing the silicone ink.

25 Claim 14 (currently amended). ~~The apparatus of claim 10~~ process of claim 11,
and further comprising printing a graphic on the cured disk using silicone ink; and
heat curing the silicone ink at a temperature of about 350 degrees Fahrenheit
for about 2 minutes.

1 Claim 15 (currently amended). ~~The apparatus of claim 10~~ process of claim 11,
2 and further comprising printing a graphic on the cured disk by:
3 providing a printing plate with the graphic thereon;,
4 applying a silicone ink to the printing plate;
5 pressing a flexible pad against the printing plate to transfer ink from the
6 printing plate to the flexible pad; and
7 subsequently pressing the flexible pad onto the cured disk, to transfer the ink
8 from the flexible pad to the disk; and
9 heat curing the silicone ink at a temperature of about 350 degrees Fahrenheit
10 for about 2 minutes.

11 Claim 16 (currently amended). ~~The apparatus of claim 10~~ process of claim 11,
12 and further comprising printing a graphic on the cured disk by:
13 providing a silk screen with the graphic thereon;
14 applying the screen to the body;
15 spreading a silicone ink over the graphic on the silk screen;
16 lifting the screen from the body to leave a silicone ink graphic image on the
17 body; and
18 heat curing the silicone ink at a temperature of about 350 degrees Fahrenheit
19 for about 2 minutes.

20 Claim 17 (currently amended). A flexible flying disk, comprising:
21 a body formed of heat cured silicone having a Shore A durometer of between
22 about 20 and 60, and having a circular perimeter with a diameter of between about 4
23 and 8 inches centered on a central axis;
24 the body including a weighted annular margin at the perimeter;
25 wherein the annular margin defines an axial margin dimension that is about
0.11 of the diameter;
a central web spanning the perimeter at one axial end of the margin;
wherein the central web includes an axial web thickness that is about 0.007 of
the axial margin dimension;
an image formed of silicone ink on the body, and
wherein the web and annular margin are integral.

1 Claim 18 (cancelled).

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3 Claim 19 (currently amended). The apparatus of claim [[16]] 17, further
4 ~~comprising an image on the body that is pad printed and formed by~~ and wherein the
5 silicone ink is a heat cured silicone ink.

6 Claim 20 (currently amended). The apparatus of claim [[16]] 19, and wherein the
7 image comprises ~~further comprising~~ a silk screened visual image.

8 Claim 21 (currently amended). A process for producing a flexible flying disk,
9 comprising:

10 providing a mold formed of two separable parts that together form a flying disk
11 shaped cavity;

12 heating the mold to about 350 degrees Fahrenheit;

13 injecting liquid catalyzed silicone into the heated mold; ~~and~~

14 curing the injected liquid catalyzed silicone in the mold for between about 30
15 and 60 seconds; and

16 applying a visually discernable graphic on the flexible flying disk using silicone
17 ink.

18 Claim 22 (new). The process of claim 21, and wherein the visually discernable
19 graphic is applied to the flexible flying disk by pad printing, the process further
20 comprising heat curing the silicone ink.

21 Claim 23 (new). The process of claim 21, and wherein the visually discernable
22 graphic is applied to the flexible flying disk by silk screening, the process further
23 comprising heat curing the silicone ink.

24 Claim 24 (new). The process of claim 21, and wherein the curing is carried out at a
25 pressure of approximately 4000 lbs per square inch of projected surface area of the
flexible flying disk.

Claim 25 (new). A flexible flying disk produced by the process of claim 11.